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PTO/SB/21 (6-98)
Approved for use through 09/30/2000, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/800,917
	Filing Date	03/05/2001
	First Named Inventor	IZADPANAH
	Group Art Unit	2633
	Examiner Name	SEDIGHIAN, REZA
Total Number of Pages in This Submission		Attorney Docket Number HRL080

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Cary Tope-McKay
Signature	
Date	03/03/2005

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 03/03/2005	
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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	09/800,917
Filing Date	3/5/2001
First Named Inventor	Izadpanah
Examiner Name	SEDIGHIAN,REZA
Art Unit	2633
Attorney Docket No.	HRL080

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number
Deposit Account Name

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$)			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

SUBMITTED BY

Name (Print/Type)	CARY TOPE MCKAY	Registration No. (Attorney/Agent)	41,350	Telephone	310-589-8158
Signature		Date	03/03/2005		

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PTO/SB/08A (04-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/800,917
Filing Date	3/5/2001
First Named Inventor	Izadpanah
Art Unit	
Examiner Name	
Attorney Docket Number	HRL080

Sheet 1 of 4

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 5,818,619	10-06-1998	MEDVED, ET AL.	
	2	US- 6,239,888 B1	05-29-2001	WILLEBRAND	
	3	US- 5,896,211	04-20-1999	WATANABE	
	4	US- 6,009,115	12-28-1999	HO	
	5	US- 5,347,525	09-13-1994	FARIS	
	6	US- 2001/0053011 A1	12-20-2001	IMAJO	
	7	US- 5,600,471	02-04-1997	HIROHASHI, ET AL.	
	8	US- 6,788,666 B1	09-07-2004	LINEBARGER, ET AL.	
	9	US- 6,411,414 B1	06-25-2002	ABATE, ET AL.	
	10	US- 5,978,117	11-02-1999	KOONEN	
	11	US- 5,880,865	03-09-1999	LU, ET AL.	
	12	US- 5,661,582	08-26-1997	KINTIS, ET AL.	
	13	US- 5,457,561	10-10-1995	TANEYA, ET AL.	
	14	US- 5,016,242	05-14-1991	TANG	
	15	US- 4,726,011	02-16-1988	IH, ET AL.	
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	1	EP 0 835 035 A1	04-08-1998	ALCATEL ALSTHOM ..		
	2	EP 0 876 020 A1	11-04-1998	ALCATEL ALSTHOM ..		
	3	EP 0 887965 A1	12-30-1998	ALCATEL ALSTHOM ..		
	4	EP 0 993 124 A2	04-12-2000	MATSUSHITA ...		
	5	JP 2000-147306	05-25-2000	KOKUSAI ...		
	6	JP 2000-315983	11-14-2000	KAZUTOSHI, HIROHASHI		

Examiner
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Considered

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PTO/SB/08A (04-03)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	09/800,917
Filing Date	3/5/2001
First Named Inventor	Izadpanah
Art Unit	
Examiner Name	
Attorney Docket Number	HRL080

Sheet	2	of	4
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
	7	JP 2001-103545	04-13-2001	SATO, SHINJI		
	8	WO 00/16489	03-23-2000	JOLT LTD.		
	9	WO 00/29886	05-25-2000	CAL INSTITUTE OF TECHNOLOGY		
	10	WO 01/26263 A2	04-12-2001	KESTREL SOLUTIONS, INC.		
	11	WO 01/86982 A1	11-15-2001	NTT DOCOMO, INC.		

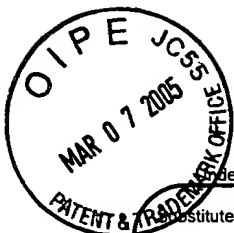
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PTO/SB/088 (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/800,917
Filing Date	3/5/2001
First Named Inventor	Izadpanah
Art Unit	
Examiner Name	
Attorney Docket Number	HRL080

Sheet	3	of	4
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	Cai, M., et al., "5-Gbit/s BER Performance on an All Fiber-Optic Add/Drop Device Based on a Taper Resonator-Taper Structure," IEEE Photonics Technology Letters, Vol. 12, No. 9, pp.1177-9 (September 2000.)	
	2	Cai, M., et al., "Observation of Critical Coupling in a Fiber Taper to a Silica-Microsphere Whispering-Gallery Mode System," Physical Review Letters, Vol. 85, No. 1, pp. 74-7 (July 3, 2000).	
	3	Cai, M., et al., "Fiber-coupled microsphere laser," Optics Letters, Vol. 25, No. 19, pp. 1430-1432 (October 1, 2000).	
	4	Cai, M., et al., "Fiber-Optic Add-Drop Device Based on a Silica Microsphere-Whispering Gallery Mode System," IEEE Photonics Technology Letters, Vol. 11, No. 6, pp. 686-7 (June 1999).	
	5	Coppin, P. and T.G. Hodgkinson, "Novel Optical Frequency Comb Synthesis Using Optical Feedback," Electronics Letters, Vol. 26, No. 1, pp. 28-30 (January 4, 1990).	
	6	Kitayama, K., "Highly-Stabilized Millimeter-Wave Generation by Using Fiber-Optic Frequency-Tunable Comb Generator," Journal of Lightwave Technology, Vol. 15, No. 5, pp. 883-93 (May 1997).	
	7	Kitayama, K., "Highly-Stabilized, Tunable Millimeter-wave Generation by Using Fiber-optic Frequency Comb Generator," Microwave Photonics, pp. 13-16 (1996).	
	8	Logan, Jr., R.T., "All-Optical Heterodyne RF Signal Generation Using a Mode-Locked-Laser Frequency Comb: Theory and Experiments," IEEE International Microwave Symposium Digest, Paper #TH4C-2, 4 pages (June 15, 2000).	
	9	Maleki, L., "Technical Support Package on Whispering-Gallery-Mode Microspheres as Light Modulators," Nasa Tech Brief, Vol. 24, No. 11, 10 pages (November 2000).	
	10	Novak, D., "Signal Generation Using Pulsed Semiconductor Lasers for Application in Millimeter-Wave Wireless Links," IEEE Transactions on Microwave Theory and Techniques, Vol. 43, No. 9, Part 2, pp. 2257-2262 (September 1995).	

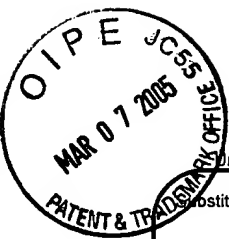
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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		Application Number	09/800,917
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		First Named Inventor	Izadpanah
		Art Unit	
		Examiner Name	
Sheet 4	of 4	Attorney Docket Number	HRL080

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	Otheru, S. and Noboru Takachio, "Methodology of Unequally Spaced Frequency Allocation for WDM Transmission Systems Using Typical Dispersion Shifted Fiver Cable," IEICE Trans. Commun., Vol. E83-B, No. 6, pp. 1290-7 (June 2000).	
	12	JDS Uniphase, Product Information for FBG1500-ADM Series – Fiber Bragg Circulated Fixed Add/Drop Modules and WD1515 A1/D1 – 100GHz Spaced ITU Channel Add/Drop WDM Couplers, 2 pages http://www.jdsunph.com/HTML/catalog/prod .	
	13	Giganet Corp., Product Information for EtherAir 1500TM – 2x100Base-TX over OC-3/STM-1, 6 pages http://www.giganet-corp.com/1500100/html .	
	14	Sicom Incorporated, Product Information for DVB Satellite Moculator Products, 1 page http://www.sicom.com/sicom/products/html .	
	15	Sicom Incorporated, Product Information for SM7060 Programmable Digital Modulator ASIC and MC2470 Modulator Circuit Card, 6 pages.	
	16	Gould Fiber Optics, Product Information for Wavelength Division Multiplexers, 5 pages.	
	17	Ceragon Networks, Product Information for FiveAir 3100 and FibeAir 6200, 4 pages.	
	18	ISC IASERsPEED Solutions, Product Information for SkyNetTM 500 Series –Quick Connectivity for 100 Mbps Fast Ethernet, 2 pages.	

Examiner Signature	Date Considered
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